

**IN THE SPECIFICATION**

Before the paragraph beginning at page 1, numbered line 1, please insert the heading:

FIELD OF THE INVENTION

Before the paragraph beginning at page 1, numbered line 3, please insert the heading:

BACKGROUND OF THE INVENTION

Please replace the paragraph beginning at page 1, numbered line 15, with the following rewritten paragraph:

In this case, to ensure efficient operation in a harsh, wet or gaseous environment, it is necessary to cover the bonded wires, the connection pads and the ends of the pins with with a protective insulating layer that prevents, firstly, the impairment of the sensor and, secondly, leakage currents between pins when the liquid or gas environment is not perfectly insulating. These leakage resistors indeed disturb the measurement of physical quantities which often relies on very small differential variations in resistance or on very weak electrical signals.

Before the paragraph beginning at page 2, numbered line 1, please insert the heading:

SUMMARY OF THE INVENTION

Please replace the paragraph beginning at page 2, numbered line 29, with the following rewritten paragraph:

Application Serial No.: 10/089,974  
Reply to Office Action dated May 26, 2004

The electrolytic deposit designed to be then oxidised or nitrized may be, for example, a tantalum deposit giving rise to a tantalum oxide or tantalum nitride coating that is especially resistant to chemical corrosion or to temperature and pressure.

Before the paragraph beginning at page 3, numbered line 3, please insert the heading:

BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWINGS

Before the paragraph beginning at page 3, numbered line 18, please insert the heading:

DESCRIPTION OF THE PREFERRED EMBODIMENTS

IN THE ABSTRACT

Please rewrite the substitute Abstract submitted with the preliminary Amendment filed on April 8, 2002, as a substitute for the originally filed Abstract on page 9 as set forth on the following separate sheet: